

Listing of Claims:

Claim 1 (original): A method of upscaling a decompressed image comprising:

 multiplying frequency domain coefficients for the decompressed image by a scale factor to achieve a desired amount of image upscaling; and

 padding the frequency domain coefficients with sufficient zeros to provide the desired scaling.

Claim 2 (original): The method of claim 1, wherein the frequency domain coefficients comprise DCT transformed coefficients.

Claim 3 (original): The method of claim 2, and further comprising:

 inverse DCT transforming the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

Claim 4 (original): The method of claim 1, wherein the desired scaling comprises integer scaling.

Claim 5 (original): The method of claim 1, and further comprising:

 transforming the scaled and padded frequency domain coefficients for the decompressed image to provide a spatial domain image.

Claim 6 (original): The method of claim 1, wherein the decompressed image was decompressed from a block based specification compliant compressed image.

Claim 7 (original): The method of claim 6, wherein the block based specification compliant compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.

Claim 8 (original): An article comprising: a storage medium, said storage medium having stored thereon instructions, that, when executed result in upscaling a decompressed image by:

 multiplying frequency domain coefficients for the decompressed image by a scale factor to achieve a desired amount of image upscaling; and

 padding the frequency domain coefficients with sufficient zeros to provide the desired scaling.

Claim 9 (original): The article of claim 8, wherein the frequency domain coefficients comprise DCT transformed coefficients.

Claim 10 (original): The article of claim 9, wherein the instructions, when executed, further result in inverse DCT transforming the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

Claim 11 (original): The article of claim 9, wherein the desired scaling comprises integer scaling.

Claim 12 (original): The article of claim 8, wherein the instructions, when executed, further result in transforming the scaled and padded frequency domain coefficients for the decompressed image to provide a spatial domain image.

Claim 13 (original): The article of claim 9, wherein the decompressed image was decompressed from a block based specification compliant compressed image.

Claim 14 (original): The article of claim 13, wherein the block based specification compliant compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.

Claim 15 (original): A system comprising:

a platform, said platform being adapted to up-scale decompressed images by multiplying frequency domain coefficients for the decompressed image by a scale factor to achieve a desired amount of image upscaling, and padding the frequency domain coefficients with sufficient zeros to provide the desired scaling.

Claim 16 (original): The system of claim 15, wherein the frequency domain coefficients comprise DCT transformed coefficients.

Claim 17 (original): The system of claim 16, wherein said platform is further adapted to inverse DCT transform the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

Claim 18 (original): The system of claim 15, wherein said platform is further adapted to inverse DCT transform the scaled and padded DCT transformed coefficients for the decompressed image to provide a spatial domain image.

Claim 19 (original): The system of claim 15, wherein the system is further adapted to decompress a block based specification compliant compressed image.

Claim 20 (original): The system of claim 19, wherein the block based specification compliant compressed image comprises at least one of a JPEG specification compliant compressed image and an MPEG specification compliant compressed image, where MPEG and JPEG, respectively, refer to a family of video coding specifications associated and the compressed image is compliant with at least one specification from one of the respective families of specifications.